
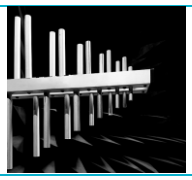
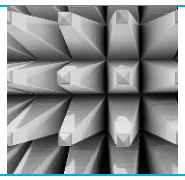

CTC advanced
member of RWTÜV group

Bundesnetzagentur

BNetzA-CAB-02/21-102

ilac-MRA DAkkS Deutsche Akkreditierungsstelle D-PL-12076-01-04

SAR Test exclusion documentation according to FCC KDB 447498, RSS-102

Report identification number: 1-3949/22-01-16 Exclusion (FCC)

contains the module with the following certification numbers	
FCC ID	2ACAHAU5CIC

This test report is electronically signed and valid without handwritten signature. For verification of the electronic signatures, the public keys can be requested at the testing laboratory.

Document authorised:

cn=Alexander Hnatovskiy, o=CTC advaced GmbH, ou=HNA-211126, email=alexander.hnatovskiy@ctcadvaced.com, c=DE
2022.07.14 11:23:29 +02'00'

Alexander Hnatovskiy
Lab Manager
Radio Communications & EMC

p.o.

cn=Michael Dorongovski, o=CTC advanced GmbH, ou=DOR-210422, email=Michael.Dorongovski@ctcadvanced.com, c=DE
2022.07.14 11:46:46 +02'00'

Marco Scigliano
Testing Manager
Radio Communications & EMC

EUT technologies:

Technologies:	Max. declared cond. AVG Power	Max. measured EIRP @ 3m
NFMI 3.84 MHz	-48.0 dBm (=15 nW)*	51.2 dBµV (Peak) = -44.0 dBm (=39.8 nW)

*: Declared by manufacturer

NFMI:

(c) (2) Standalone SAR test exclusion below 100 MHz < 50mm

$0.5 \times (\text{Threshold}_{100\text{MHz}}) \times (1+\log(100/f))$

where

$\text{Threshold}_{1\text{-g;10-g}}$	is 3 for 1-g; 7.5 for 10-g
f	is the RF channel transmit frequency
$\text{Threshold}_{100\text{MHz,50mm}}$	is $\text{Threshold}_{1\text{-g;10-g}} \times d / f^{0.5}$; with f = 100MHz and d=50mm

The table below gives the calculated maximal power that could be used for source based time averaged conducted power, adjusted for tune up tolerance. If this is below the calculated value SAR testing is excluded.

frequency [MHz]	Threshold1-g;10-g	$\text{Threshold}_{100\text{MHz,50mm}}$	Powerlimit [mW]	$P_{\text{max-declared}}$		Exclusion
				[dBm]	[mW]	
3.84	3	474.34	572.93	-44.00	0.0	yes

This prediction demonstrates the following:

The power density levels for FCC that are larger than the minimum safety-distances stated above, are below the maximum levels allowed by regulations.